Component code numbers

TV

The left row of the table shows the brand, the right row shows the code number.

CBL (Analog cable box)

The left row of the table shows the brand and the right row shows the code number.

To set a component code (see "Setting the code" on the back side for details)

TV

Brand	Code No.
Sony	001
Admiral	002, 014, 009
Akai	003
AOC	012
Audinac	034
Bell&Howell	014, 009, 038
Broksonic	003, 012, 072
Craig	022, 034, 020, 021
Croslex	011
Crown	034
Curtis Mathis	003, 019, 034
Daewoo	035, 036, 003, 041, 029
Daytron	013
Emerson	022, 013, 020, 021, 003, 015, 042, 034
Fisher	025
General Electric	002, 018, 003, 007, 045
GoldStar/LG	003, 013, 012, 030, 046, 050, 051, 049
Hitachi	031, 013, 003, 032
JC Penny	003, 002, 030, 007
JVC	028
KTV	033, 013, 003, 034
LXI(Sears)	002, 003, 011, 025, 019, 012, 052
Magnavox	011, 012, 013, 003, 043, 047
Marantz	024
Mitsubishi/MGA	024, 003, 012, 066
NEC	003, 012
Panasonic	018, 016, 007, 049, 067, 074, 076
Philco	011, 013, 003, 068, 035, 031
Philips	011, 056, 043, 017
Pioneer	037, 018, 019
Portland	003, 008
Quasar	018, 007, 048
Radio Shack	002, 012, 024, 023
RCA/PROSCAN	002, 003, 004, 005, 006, 007, 008, 044, 045, 046, 053
Samsung	026, 012, 013, 003, 055
Sanyo	025, 023, 054
Scott	034, 012
Sharp	014, 013, 015, 070
Signature 2000	014, 009
Sylvania	011, 012, 003, 073
Symphonic	023, 039, 040, 034
Toshiba	060, 019, 014, 052, 059, 075
Videch	031, 003, 012
Wards	013, 003, 015, 012
Zenith	009, 010

Analog cable box

Brand	Code No.
Hamlin/Regal	022, 023, 024, 025, 026
Jerrold/G.I	031, 001, 002, 003, 004, 005, 006, 007, 008, 018, 022, 032
Oak	027, 028, 029
Panasonic	019, 020, 021
Pioneer	014, 015
Scientific Atlanta	009, 010, 011
Tocom	031, 016, 017
Zenith	012, 013

Precautions

On safety

- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this player. Attempting to do so may damage the player. Do not use such discs.

Cleaning the cabinet

- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

On power sources

- For AC operation, use the supplied AC power cord; do not use any other type.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- Unplug the player from the wall outlet when it is not be used for an extended period of time.
- For battery operation, use six size C (R14) batteries.
- When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, power consumption, etc. is located at the bottom.

On placement

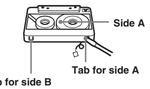
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components.
- If the player is left in a car parked in the sun, be sure to choose a location in the car where the player will not be subjected to the direct rays of the sun.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Notes on cassettes

- Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.



- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.

- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
- Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
- After playing, store the CD in its case.

If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

About CD-Rs/CD-RWs

This player can play CD-Rs/CD-RWs recorded in the CD-DA format*, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

Troubleshooting

General

The power does not come on.

- Connect the AC power cord to the wall outlet securely.
- Make sure the batteries are inserted correctly.
- Replace all the batteries with new ones if they are weak.
- You cannot turn on the player with the remote when you operate the player on batteries .

There is no audio.

- Adjust the volume.
- Unplug the headphones when listening through speakers.

Noise is heard.

- Someone is using a portable telephone or other equipment that emits radio waves near the player. →Move the portable telephone, etc., away from the player.

CD Player

The CD does not play or "no dISC" lights in the display even when a CD is in place.

- Place the CD with the label surface up.
- Clean the CD.
- Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.
- The CD-R/CD-RW was not finalized. Finalize the CD-R/CD-RW with the recording device.
- There is a problem with the quality of the CD-R/CD-RW, recording device, or application software.
- The CD-R/CD-RW is blank.
- Replace all the batteries with new ones if they are weak.

The sound drops out.

- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the player in a location free from vibration.
- Clean the lens with a commercially available blower.
- The sound may drop out or noise may be heard when using poor quality CD-Rs/CD-RWs or if there is a problem with the recording device or application software.

Radio

Reception is poor.

- Reorient the antenna to improve FM reception.

- Reorient the player itself to improve AM reception.

The audio is weak or has poor quality.

- Replace all the batteries with new ones if they are weak.
- Move the player away from the TV.

The picture of your TV becomes unstable.

- If you are listening to an FM program near the TV with an indoor antenna, move the player away from the TV.

Tape Player

The tape does not move when you press an operation button.

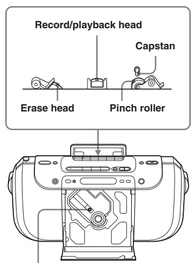
- Close the cassette compartment securely.

The ● button does not function or the tape does not play or record.

- Make sure the safety tab on the cassette is in place.

Poor or distorted playback, recording or erasing quality.

- Clean the heads, pinch roller and capstan with a cleaning swab slightly moistened with cleaning fluid or alcohol.
- Replace all the batteries with new ones if they are weak.
- TYPE II (high position) or TYPE IV (metal) tape is being used. Use TYPE I (normal) tape only.
- Demagnetize the heads using a commercially available tape head demagnetizer.



Remote

The remote does not function.

- Make sure that the TV•CD/RADIO switch on the remote is set correctly.
  To control CD or radio: set it to CD/RADIO.
  To control a TV or analog cable box: set it to TV.
- Replace all the batteries in the remote with new ones if they are weak.
- Make sure that you are pointing the remote at the remote sensor on the player.
- Remove any obstacles in the path of the remote and the player.
- Make sure the remote sensor is not exposed to strong light such as direct sunlight or fluorescent lamp light.
- Move closer to the player when using the remote.

TV or analog cable box cannot be operated using the remote.

- Check that the button of the TV or CBL is pressed to choose your desired component.
- Check that the component has infrared remote capability. For example, if your component didn't come with the remote, it probably isn't capable of being controlled by the remote.

Should any problem persist, reset the remote to the factory setting by pressing the POWER, TV/VIDEO and VOL – buttons simultaneously.

After trying the above remedies, if you still have problems, unplug the AC power cord and remove all the batteries. After all the indications in the display disappear, plug the power cord and insert the batteries again. If the problem persists, please consult your nearest Sony dealer.

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven from 100 - 10,000 Hz; rated 1.5 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

Other specifications

CD player section

System
  Compact disc digital audio system
Laser diode properties
  Emission duration: Continuous
  Laser output: Less than 44.6 μW
  (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
  200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
  2
Frequency response
  20 - 20 000 Hz +I/–2 dB
Wow and flutter
  Below measurable limit

Radio section

Frequency range
  FM: 87.5 - 108 MHz
  AM: 530 - 1 710 kHz
Antennas
  FM: Telescopic antenna
  AM: Built-in ferrite bar antenna

Cassette-corder section

Recording system
  4-track 2 channel stereo
Fast winding time
  Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
  TYPE I (normal): 80 - 13 000 Hz

General

Speaker
  Full range: 8 cm (3 ⅖ inches) dia., 3.2 Ω, cone type (2)
Outputs
  Headphones jack (stereo minijack)
  For 16 - 68 Ω impedance headphones
Power output
  1.8 W + 1.8 W (at 3.2 Ω, 10% harmonic distortion)
Power requirements
  For CD radio cassette-corder:
  120 V AC, 60Hz
  9 V DC, 6 size C (R14) batteries
  For remote control:
  3 V DC, 2 size AAA (R03) batteries
Power consumption
  AC 14 W
Battery life
  For CD radio cassette-corder:

FM recording	
Sony R14P: approx. 13.5 h	
Sony alkaline LR14: approx. 20 h	
Tape playback	
Sony R14P: approx. 7.5 h	
Sony alkaline LR14: approx. 15 h	
CD playback	
Sony R14P: approx. 2.5 h	
Sony alkaline LR14: approx. 7 h	

Dimensions
  Approx. 385 × 190.5 × 170 mm (w/h/d) (15 ⅛ × 7 ½ × 6 ¾ inches) (incl. projecting parts)
Mass
  Approx. 3.1 kg (6 lb. 13.4 oz) (incl. batteries)
Supplied accessory
  AC power cord (1)
  Remote control (1)

Design and specifications are subject to change without notice.

Optional accessories

Sony MDR headphone series

SONY

CD Radio Cassette-Corder

Operating Instructions

CFD-E100

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Printed in China

2-587-606-**11** (1)

English

WARNING

To prevent fire or shock hazard, do not expose the player to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

The use of optical instruments with this product will increase eye hazard.

WARNING

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the appliance.

Information

For customers in the USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Owner's Record

The model number is located at the bottom and the serial number is located in the battery compartment.
Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.
Model No. CFD-E100
Serial No. _____

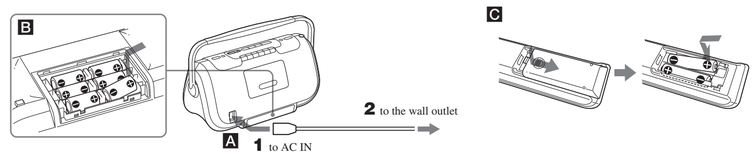
For customers in the USA

Please register this product on line at **http://www.sony.com/productregistration**. Proper registration will enable us to send you periodic mailings about new product, services and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

http://www.sony.net/

Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

Power Sources



Connect the AC power cord **A** or insert six size C (R14) batteries (not supplied) into the battery compartment **B**.

Notes

- Replace the batteries when the OPR/BATT indicator dims or when the player stops operating. Replace all the batteries with new ones. Before you replace the batteries, be sure to take out the CD from the player.
- To use the player on batteries, disconnect the AC power cord from the player.
- When you operate the player on batteries, you cannot turn on the player using the remote.

Preparing the remote C

Insert two size AAA (R03) batteries (not supplied).

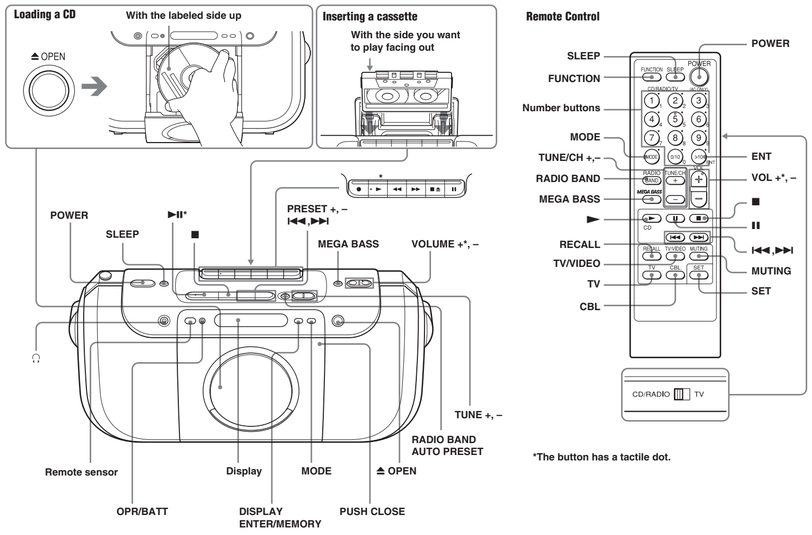
Replacing batteries

With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

Note

Do not take more than 3 minutes to replace the batteries as your code number settings will be erased.

Location of controls



*The button has a tactile dot.

To turn on/off the power
Press POWER.

To adjust the volume
Press VOLUME +, – (VOL +, – on the remote).

To listen through headphones
Connect the headphones to the ∩ (headphones) jack.

Adjusting the sound emphasis

To reinforce the bass sound
Press MEGA BASS.
"MEGA BASS" appears in the display.
To return to normal sound, press the button again.

Falling asleep to music

1 Play the music source you want.
2 Press SLEEP to display "SLEEP."
3 Press SLEEP to select the minutes until the player goes off automatically.
Each time you press the button, the indication changes as follows:
"60" → "90" → "120" → "OFF" → "10" → "20" → "30".

To cancel the sleep function
Press POWER to turn off the power.

Note
When you are playing a tape using this function:
If the tape length of one side is longer than the set time, the player will not go off until the tape reaches the end.

About the remote control

You can use the supplied remote control to operate a TV or analog cable box, as well.
Set the TV•CD/RADIO switch as follows:
To operate this player: set it to CD/RADIO
To operate a TV or analog cable box: set it to TV
For details on using the remote control to operate a TV or analog cable box, see "Using the remote control to operate a TV".

Playing a CD

1 Press ⏏ OPEN to open the CD compartment.
2 Load a CD in the CD compartment until it clicks into place.
3 Press PUSH CLOSE to close the CD compartment.
4 Press ►II (► on the remote).
The player plays all the tracks once.

To	Do this
stop playback	Press ■.
pause playback	Press ►II (II on the remote). Press the button again to resume play after pause.
go to the next track	Press ►►I.
find the beginning of the current track/go back to the previous track	Press I◄◄.
remove the CD	Press ⏏ OPEN.
locate a point while listening to the sound	Press and hold ►►I (forward) or I◄◄ (backward) while playing until you find the point.
locate a point while observing the display	Press and hold ►►I (forward) or I◄◄ (backward) in pause until you find the point.
locate a specific track directly*	Press a number button of the track on the remote.

* You cannot locate a specific track if "SHUF" or "PGM" is lit in the display. Turn off the indication by pressing ■.

Tip
To locate a track numbered over 10, press >10 first, then the corresponding number buttons on the remote.
Example: To play track number 23, press >10 first, then 2 and 3.

Note
When using the remote, make sure that the TV•CD/RADIO switch on the remote is set to CD/RADIO.

Using the display

To check the total track number and playing time
Press DISPLAY•ENTER/MEMORY in stop mode (see fig. D).

To check the remaining time
Press DISPLAY•ENTER/MEMORY repeatedly while playing a CD. The display changes as follows:

→ the current track number and playing time
↓
the current track number and the remaining time on the current track*
↓
the number of tracks left and remaining time on the CD

* For a track whose number is more than 20, the remaining time appears as "- -:- -" in the display.

Selecting the play mode

Press MODE until "REP 1" "REP ALL" "SHUF" "SHUF REP" "PGM" "PGM REP" appears in the display. Then proceed as follows:

To	Select	Then do this
repeat a single track	"REP 1"	Press I◄◄ or ►►I to select the track that you want to repeat, then press ►II.
repeat all the track	"REP ALL"	Press ►II.
shuffle play	"SHUF"	Press ►II.
repeat tracks in random order	"SHUF REP"	Press ►II.
program play	"PGM"	Press I◄◄ or ►►I then press DISPLAY•ENTER/MEMORY for the tracks you want to program in the order you want up to 20 tracks (see fig. E). Then press ►II.
repeat programed tracks	"PGM REP"	Press I◄◄ or ►►I then press DISPLAY•ENTER/MEMORY for the tracks you want to program in the order you want up to 20 tracks. Then Press ►II.

On the remote
When you've selected "PGM" or "PGM REP", press the number buttons for the track you want up to 20 tracks, then press ►.

To cancel selected play mode
Press MODE repeatedly until the selected mode disappears from the display.

To check the programed track and playing order in the display
To check the order of tracks before play, press DISPLAY•ENTER/MEMORY.
Every time you press the button, the track number appears in the programed order.

To change the current program
Press ■ once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programing procedure.

Tips
- You can play the same program again, since the program is saved until you open the CD compartment.
- You can record your own program. After you've created the program, insert a blank tape and press ● to start recording.

Listening to the radio

1 Press RADIO BAND•AUTO PRESET until the band you want appears in the display (direct power-on).
Each time you press the button, the indication changes as follows:
"FM" → "AM".
2 Hold down TUNE (TUNE/CH on the remote) + or – until the frequency digits begin to change in the display.
The player automatically scans the radio frequencies and stops when it finds a clear station.
If you can't tune in a station, press the button repeatedly to change the frequency step by step.

Tip
If the FM broadcast is noisy, press MODE repeatedly until "Mono" appears in the display and the radio will play in monaural.

Note
When using the remote, make sure that the TV•CD/RADIO switch on the remote is set to CD/RADIO.

Presetting radio stations

You can store radio stations into the player's memory. You can preset up to 30 radio stations , 20 for FM and 10 for AM in any order.

1 Press RADIO BAND•AUTO PRESET to select the band.
2 Hold down RADIO BAND•AUTO PRESET for 2 seconds until "AUTO" flashes in the display.
3 Press DISPLAY•ENTER/MEMORY.
The stations are stored in memory from the lower frequencies to the higher ones.

If a station cannot be preset automatically
You need to preset a station with a weak signal manually.
1 Press RADIO BAND•AUTO PRESET to select the band.
2 Tune in a station you want.
3 Hold down DISPLAY•ENTER/MEMORY for 2 seconds until the preset number flashes in the display.
4 Press PRESET + or – until the preset number you want for the station flashes in the display.
5 Press DISPLAY•ENTER/MEMORY.
The new station replaces the old one.

On the remote
1 Press RADIO BAND until the band you want appears in the display.
2 Tune in a station you want.
3 Hold down the number buttons that you want to preset the new station on for about 2 seconds.
To select the preset number over 10, press >10 first, then the corresponding number buttons.
You need to hold down the last number button to enter for about 2 seconds.
(Example: To select 12, press >10 and 1 first, then hold down 2 for about 2 seconds.)

Tip
The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Playing preset radio stations

1 Press RADIO BAND•AUTO PRESET to select the band.
2 Press PRESET + or – to tune in the stored station.

On the remote
1 Press RADIO BAND.
2 Press the number buttons to tune in the stored station.
To tune in a preset station over 10, press >10 first, then corresponding number buttons.
(Example: To tune in a preset station 12, press >10 and 1 first, and then press 2.)

Playing a tape

1 Press ■⏏ to open the tape compartment and insert a recorded tape. Close the compartment. Use TYPE I (normal) tape only.
2 Press ►.

To	Press
stop playback	■⏏
fast-forward or rewind the tape	►► or ◄◄
pause playback	II Press the button again to resume play after pause.
eject the cassette	■⏏

Recording

1 Press ■⏏ to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only.
2 Select the program source you want to record.

To record from the CD player
Press ■ and load a CD (See "Playing a CD").

To record from the radio
Press RADIO BAND•AUTO PRESET and tune in the station you want (See "Listening to the radio").

3 Press ● to start recording.
(► is depressed automatically.)

To	Press
stop recording	■⏏
pause recording	II Press the button again to resume recording.

Tips
- Adjusting the volume or the audio emphasis will not affect the recording level.
- If the AM program makes a whistling sound after you've pressed ● in step 3, press MODE to select the position of ISS (Interference Suppress Switch) that most decreases the noise.
- For the best results, use the AC power as a power source for recording.
- To erase a recording, proceed as follows:
1 Insert a tape with the recording you want to erase.
2 Press FUNCTION on the remote repeatedly until "TAPE" appears in the display.
3 Press ●.

Using the remote control to operate a TV or CBL

About presetting the remote

The remote is preset at the factory to operate Sony brand components.
If you're using the remote with a Sony component, you won't need to preset the remote before you start using it.
To set up the remote to use with other (non-Sony) manufacturers' components, or to use with a component that is not preset at the factory, you'll need to follow the instructions in this manual to preset the remote with the correct code number for your components. (Also refer to the list under "Component code numbers" on the front side.)

Component that can be preset	Button	Factory setting
TV	TV	Sony TV
Analog cable box	CBL	–

Notes
- Make sure that the TV•CD/RADIO switch on the remote is set to TV.
- The remote can be set up to operate only one component per button – unless their code numbers happen to be the same. For example, you cannot set up the remote to operate a Sony TV and a Panasonic TV simultaneously (because they use different code numbers).
- You may not be able to operate even a Sony brand component with the factory presetting. In such a case, follow the procedure in "Setting the code."

Setting the code

Follow the steps of "Entering the code number" and "Checking if the code number works" below for each component you plan to use with the remote.

Entering the code number
1 See "Component code numbers", and find the three-digit code number for the desired component.
If more than one code number is listed, use the number that's listed first to complete the steps below.
For example, if you're setting up a Philips' TV, you would use the code number 011.
If your component isn't listed, see "Searching for the correct code."
2 While pressing SET, press POWER on the remote.
3 Press the button of the component that you want to set up (TV or CBL).
4 Enter the component's code number. For example, if you're entering the code for a Philips TV, you would press 011.
5 Press and release ENT to store the code number in the remote's memory.
6 Go to "Checking if the code number works" to finish setting up.

If you press a wrong button in step 4
Press POWER on the remote while pressing SET and then go back to step 3.

Checking if the code number works
1 Power on the component you want to set up.
2 Aim the remtoe at the component and press a button to check if that button works.
For example, press the POWER button to see if it works on your component .
3 Check that the other buttons of the remote is operating the corresponding functions of the component.

If the remote doesn't seem to be working…
- First, try repeating these setup procedures using the other codes listed for your component. (Refer to the list under "Component code numbers" on the front side.)
- If – after trying all the codes listed for your component – you still cannot get the remote to work properly, try the search method described in "Searching for the correct code."

Searching for the correct code

If you've tried all the code numbers listed for your component and you still cannot get the remote to work (or if your component is not listed in the "Component code numbers" tables on the front side), try these steps.

1 Power on the component you want to set up. Insert a tape or disc if necessary.
2 While pressing SET, press POWER.
3 Press the button of the component on the remote that you want to set up (TV or CBL).
4 Press and release TUNE/CH+. Then press and release POWER.
5 Repeat step 4 until the correct code number is found.
Each time you press TUNE/CH+ and then POWER, a new code number will be transmitted. Keep trying until your component operates by receiving the transmitted signal from the remote (e.g., the power turns off, the channel function works, playback starts, etc.) Be patient as you do this; it may take about 70 tries until the correct code number is located.
6 When the correct code is found, press ENT to store the code number in the remote's memory.
7 Check that the remote is operating the other functions of your component by pressing the corresponding buttons on the remote. If they seem to be working properly, you're done setting up the remote.

If the component does not operate properly, repeat steps 1 to 6 and search for another code.

Operating a component

1 Press the button of the desired component on the remote (TV or CBL).
2 Point the remote directly at the component.
3 Press the button for the function you want to use.

To	Press
adjust the volume on TV	VOL + or –
mute the volume on TV	MUTING
switch to the operations of each component	TV or CBL on which that component is assigned
change the input mode on TV	TV/VIDEO
change the channel	TUNE/CH + or – Or use the number buttons and ENT, for example, to change to channel 5, press 0 and 5 (and ENT).
go back to the previous channel	RECALL

Notes on using the remote control
Basically, use this remote in the same way as the remote supplied with your components.
- Using this remote will not increase the functions of your components. The functions of the remote are limited to the functions of the components themselves. For example, if your TV does not have a muting function, the MUTING button on this remote will not function with your TV.
- Some functions of the component may not work with this remote.
- If your cable box can control volume, be sure to set its volume switch to a medium position. If the volume on the cable box is turned down completely, you will not be able to adjust your TV's volume with the remote.
- There may be cases you may turn on/off the cable box by pressing the TUNE/CH + or – button on the remote.